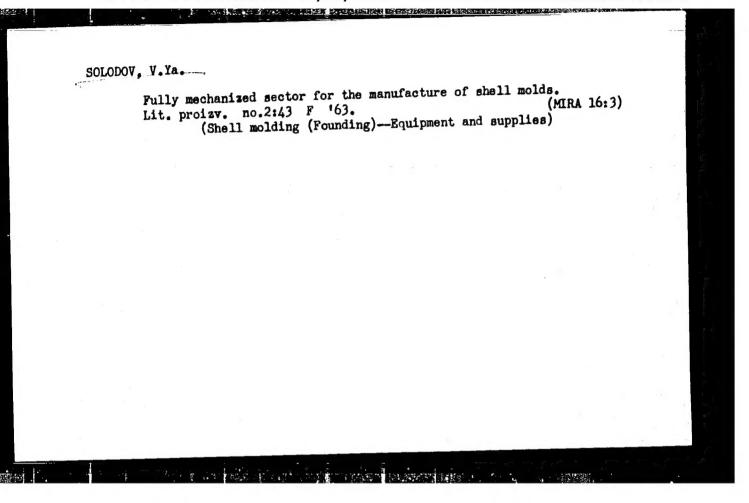
BELYAKOV, P.Ye.; BABIN, B.N.; BAL', V.; BOROVKOV, P.N.; VOYEVODIN, I.N.; GUREVICH, G.M.; GORBUHOVA, P.I.; KONNOV, A.S.; KALANTAROVA, M.V.; KASHIRSKIY, A.Ye.; KAZAHCHEYEV, Ye.N.; LEKSUTKIN, A.F.; LETICHEVSKIY, M.A.; LOPATIN, S.Z.; MIRSKIY, V.N.; PODSEVALOV, V.N.; SUBBOTINA, V.P.; TANASIYCHUK, N.P.; FEDOTOV, S.D.; FISENEO, K.N.; EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALECHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN, D.A.; IVANNIKOV, A.Ye.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY, A.F.; SEREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV, V.I.; SAKHARIN, G.S.; SAVENKO, P.A.; SOLODOV, V.P.; UMEROV, Sh.Kh.; CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.; CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.; OSHEROVICH, A.N.; ROKITSINSKIY, E.V.; BRASLAVSKIY, M.S.; RUDENKO, I.A.; ZHUKOBORSKIY, M.S.; ZHDANOV, I.Ye.; SUSLIN, V.A.; BRUS, A.Ye.; VOLYNSKIY, S.A.; KLYUYEV, V.A.; ISTRATOV, A.G.; TIKHOMIROV, I.F.; BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.; VIDETSKIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.; KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaia Astrakhan'. Astrakhan'. Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

 Astrakhan (Province) Ekononicheskiy administrativnyy rayon. (Astrakhan Province--Economic conditions)



SOLODOV, Yu., inzh.-mayor; SACHENKO, M., mayor tekhn.sluzhby

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Sov. Voor. Sil 2l no.11:81-84 li (61.

(Russia—Army—Fuel)

Analog to digital function converter for a.c. transducers for scanning control systems. Izm. tekh. no.11:35-39 N '61.

(Electronic calculating machines)

L 00008-66 EWT(d)/EWP(v)/EWP(h)/EWP(1)

ACCESSION NR: AR5008446

UR /0271/65/000/002/A035/A035 621.398.694

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitelinaya tekhnika. Svodnyy tom, Abs. 2A208

AUTHOR: Levin, M. I.; Semko, Yu. I.; Semenov, V. F.; Solodov, Yu. S.; Yevtikhiyev, N. N.; Mozheyko, A. A.

TITLE: Measuring units of the "Tsentrotekhnika" system

CITED SOURCE: Tr. Mosk. energ. in-ta, vyp. 52, 1963, 133-146

TOPIC TAGS: supervisory control system / Tsentrotekhnika system

TRANSLATION: Measuring units are described of the "Tsentrotekhnika" supervisory control system. The system is designed for operation with several types of thermocouple sensors, resistance thermometers, and differential-transformer sensors. For each type, special measuring units have been developed which connect the sensor output with the nonelectric measurands and convert them into a binary digital code. Each measuring unit is constructed as a separate adapter which includes all measuring elements. By means of a special plug-and-socket

Card 1/2

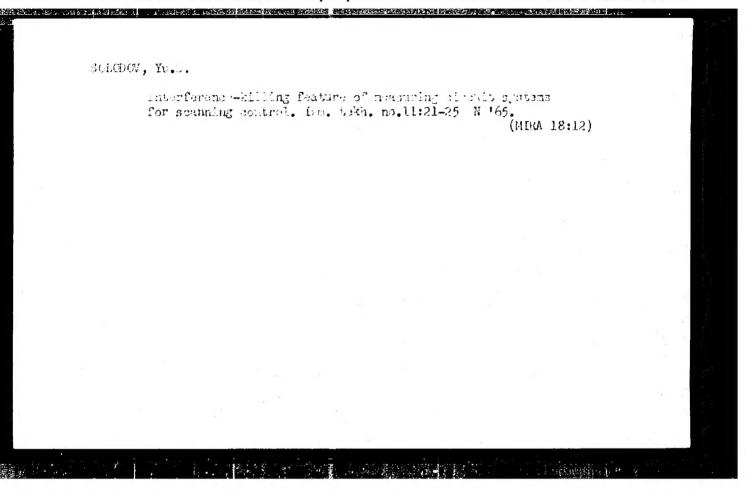
settings are used to obtain signals con into the code by mos

Bibl. 4.

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EWT(d)/EWT(1)/EEC(m)/EEC(f)/EWP(v)/EEC-4/EWP(k)/EWP(h)/EWA(h)/EWP(1) UR/0115/65/000/002/0044/0046 ACCESSION NR: AP5009875 Pq-4/Pf-4/ 621.374 Peb/Pg-4 AUTHOR: Levin, M. I.; Semko, Yu. I.; Solodov, Yu. S.; Mikhaylov, Ye. V. TITLE: Encoding the output signals of pulse-supplied M-var sensors SOURCE: Izmeritel'naya tekhnika, no. 2, 1965, 44-46 industrial process control TOPIC TAGS: mutual inductance sensor, ABSTRACT: As the measurement process with a variable-mutual-inductance (M-var) sensor of a differential-transformer or ferrodynamic type supplied by commercial 50 cps has been slow, the authors suggest supplying the sensor with 4-msec sawtooth pulses. An experimental model had a measurement time of 2 msec, an output range of 0-0.5 v, and a basic error of $\pm 0.5\%$; varying the pulse tilt angle by ± 10% resulted in an additional error of ± 0.8%. Variation of the supply voltage of an analog-digital-converter by ± 20% did not introduce a noticeable error. Only a block diagram is given. Orig. art. has: 5 figures and 10 formulas.

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MURASHOV, K.; YATSEVICH, V.; SOLODOVA, A.

Developing the planned efficiency at the Moscow Milling Combine No. 4.

Muk.-elev. prom. 28 no.8:13-15 Ag '62. (MIRA 17:2)

1. Moskovskiy mel'nichnyy kombinet No.4.

SOLODOV: Al.

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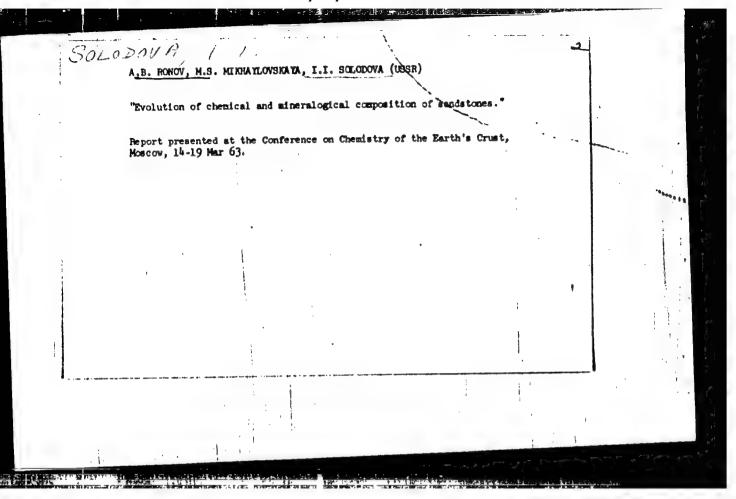
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GAFANIN, B.A.; NESMELOVA, Z.P.; GURILIVA, N.P.; SOLOIOVA, F.G.

Results of using Gi'kenitskii's medium for the study of microbes of the Enterobacteriaceae family. Lab. delo no.8:49R-500 '65. (MIRA 18:9)

1. Bakteriologicheskaya laboratoriya Infektsionnoy bol'nitsy lbo.23 (glavnyy vrach - zasluzhennyy vrach RSFSR S.M. Raskina)

Avtozavodskogo rayona goroda Gor'kogo.



tructural consistent for the localization of barylium storalization in scarms. Inverse undeb.zav.: tovec.mat. (NFA 19:1)

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Mirin 5, 1964.

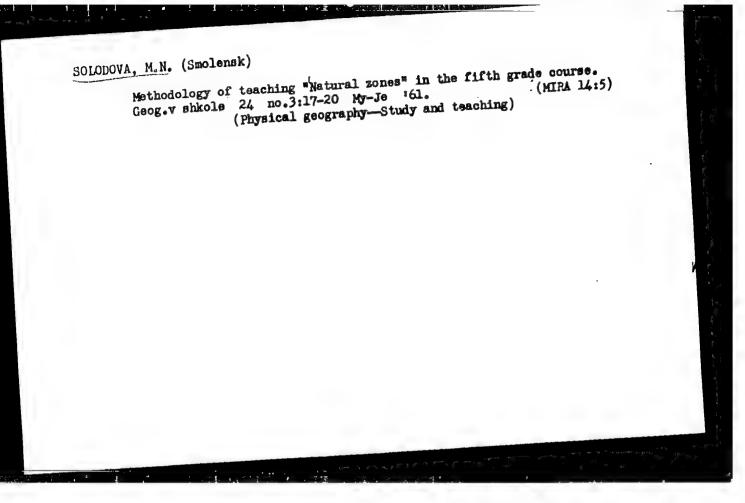
SOLODOVA, M. N. Moscow State Pedagogical Inst imeni V. I. Lenin

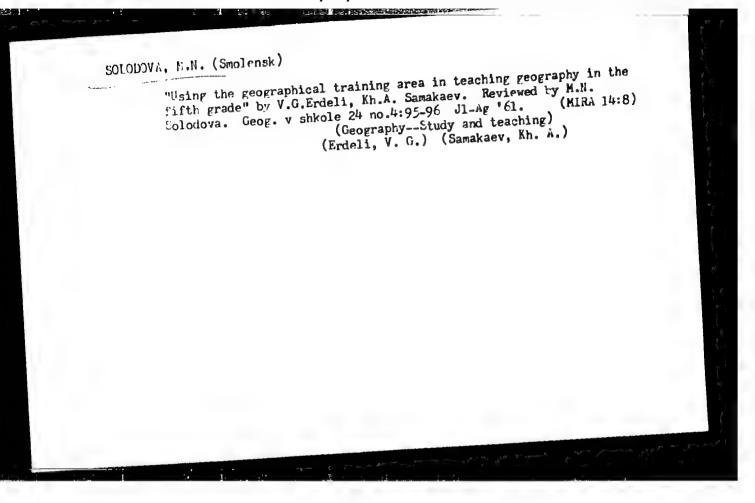
SOLODOVA, M. N.- "Methods of teaching the subject 'Natural regions. The population of the earth' in the beginning course in physical geography in the fifth class."

Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow, 1956.

(Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956





BH/A /JA/JAD EVI(m)/EWP(j)/T SOURCE CODE: UR/0081/65/000/021/SO46/ L 40294-66 ACC NR: AR6014586 (A) AUTHORS: Kozlov, L. M.; Solodova, N. L.; Burmistrov, V. I. TITLE: Nitro group-containing polyurethanes 1. Synthesis of nitropolyurethanes by polymerizing 2,4-toluylonediisocyanated with nitrodiols and nitrotriols SOURCE: Ref. zh. Khimiya, Abs. 21S282 REF SOURCE: Tr. Kazansk, khim, -tekhnol, in-ta, vyp. 33, 1964, 198-205 TOPIC TAGS: polyurethane, polycondensation, polymer cross linking, polymerization ABSTRACT: Polymerization of toluylenediisocyanate with 2-nitromethylpropanediolrate 1,3; 2-nitro-2-triol-1,2,3; 2-nitro-2-oxymethylbutanediol-1,3; and 2-nitro-2-oxymethylhexanetriol was investigated. Reaction was conducted at temperatures from 18 to 132C in chlorobenzene, dioxane, ethyl acetate, or butyl acetate solution. Optimal ratio of reagents to each other is 1:1, ratio of reagents : solvent = 1:2. It was found that the rate and general course of the polycondensation reaction is analogous to those of triols not substituted with nitro groups, however, the molecular weight of the obtained polymers is lower. Polymers produced by nitrodiols at low temperatures are soluble in acetone and ethyl acetate and are precipitated from solutions with benzene and petroleum ether. Increase of the reaction temperature leads to an increase of molecular weight from 1500 to 10 000. In the case of triols, this is accompanied by formation of three-dimensional cross-linked polymers. Soluble polynitrourethanes form transparent films highly adhesive to wood, glass, and metal.

Kopylov /Translation of abstract/ Card 1/1/10/PSUB CODE: 11,07

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SOURCE CCDE: UR/0081/66/000/003/5043/504477 (A)ACC NR: AR6020539 AUTHOR: Solodova, N. L.; Kozlov, L. K.; Burnistrov, V. I. TITIE: Nitro-containing polyurethanes. Part 2. Synthesis of nitropolyurethanes by polymerization of hexamethylene diisocyanate with nitrodiols and nitrotriols. SOURCE: Ref zh. Khim, Part II, Abs. 35259 REF SOURCE: Tr. Kazansk. khim.-tekhnol, in-ta, vyp. 33, 1964, 206-213 TOPIC TAGS: polyurethane, organic nitro compound, organic isocyanate compound ABSTRACT: I study of the influence of the conditions prevailing in the restation of polycondensation of hexamethylene diisocyanate with a series of nitrodiols and nitrotriols has shown that the yield and molecular weight of the polymer increase in the series of solvents chlorobenzene - ethyl acetate - dioxane; the optimum ratio of the mixture of reagents to the solvent is 1:2; a further dilution leads to a decrease in the molecular weight and a decrease in the yield of the nolymer; at a temperature < 50°, the reaction does not take place, and although raising the temperature to >100° increases the yield, it causes the formation of insoluble nubberlike polymers. The optimum reaction time is 6 hr, the reagent ratio being 1:1. Mitrodiols form soluble linear polymers under mild conditions, and under more drastic ones (temperature 100°, excess diisocyanate, high concentration of reagents or absence of solvent), cross-linked rubber-

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like products or friable powders insoluble in organic solvents and decomposing on heat-

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| g above 130-15 at on multiple r Report No. 1 ract]. | 0°. The stability and purification or repri, see Ref. zh. Khim., | heat resistance of the civitation or extract 1965, 215282. V. Kon | he polymers increase ion with boiling sol ylov. [Translation | some- vents. of ab- |
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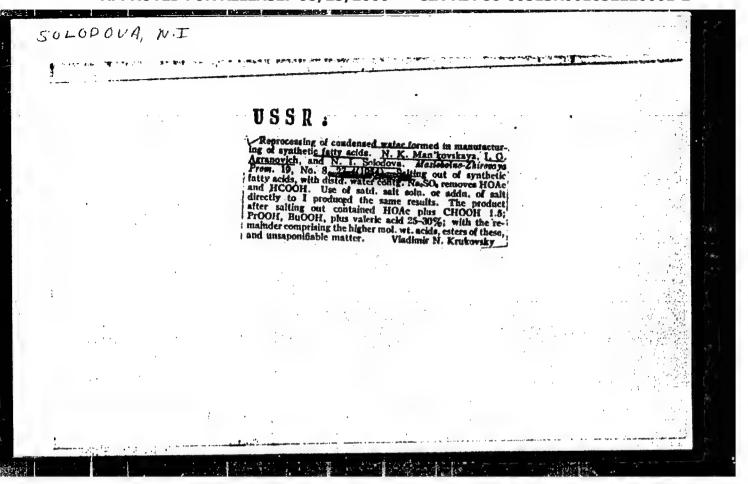
SOLODOVA, V.G.

Case history of osteomyelitis of the jaws in children. Stomatologiia (MIRA 15:9)
Al no.4:62-64 Jl-Ag '62.

1. Iz Rostovskogo-na-Donu oblastnogo gospitalya dlya invalidov (Nonsul'tant - prof. N.I.Agapov).

Otechestvennoy voyny (Konsul'tant - prof. N.I.Agapov).

(OSTEOMYELITIS) (JAWS-DISEASES)



MAN'KOVSKAYA, N.I., kand.tekhn.nauk; BARSEGYAN, I.V., insh.; SOLODOVA, N.I.

Odor-causing substances in synthetic fatty acids. Masl.-zhir. prom. 25 no.4:13-15 159. (NIRA 12:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Man'kovskaya, Barsegvan).2. Shebekinskiy kombinat sinteticheskikh zhirovykh kislot i zhirovogo syr'ya (for Solodova).

(Acids, Fatty)

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BARSEOYAM, I.V., insh.; SOLODOVA, N.I.

Determining the content of low-molecular acids in salts with the acid of a cationite. Masl.-zhir.prom. 25 mo.8:34-35 159.

1. NISZhiMS (for Barsegyan). 2. Shchebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov (for Solodova).

(Acids, Organic) (Salts) (Ion exchange)

ACCESSION NR: AP4032572

8/0190/64/006/004/0722/0725

AUTHORS: Solodova, N. L.; Kozlov, L. H.; Burmistrov, V. I.

The second of the second secon

TITLE: Catalytic synthesis of nitropolyurethanes by copolymerization of disocyanates with nitrodiols and nitrotriols

SOURCE: Vy#sokomolek. soyedin., v. 6, no. 4, 1964, 722-725

TOPIC TAGS: polymerization, polymer, copolymerization, copolymer, urethane nitrourethane, isocyanate, polyol, nitropolyol, sulfonic acid catalyst, toluenesulfonic acid, zinc chloride catalyst

ABSTRACT: The present investigation deals with copolymerization of hexamethylenediisocyanate (HDIC) and 2,4-toluilenediisocyanate (TDIC) with 2-methyl-2-nitropropanediol-1,3 (ENPD), nitroisobutyl-glycerine (NIEG), and 2-oxymethyl-2-nitrohexandiol-1,3 (OMHD) in the presence of various catalysts. In view of the negative results obtained in ethyl acetate solution without a catalyst, and a poor yield (30-35%) and poor polymer quality obtained with triethylamine, the authors performed tests with acid oatalysts. In the presence of 1% sinc chloride the yield of mitropolyurethene from HDDC and

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ACCESSION NR: AP4032572

MMPD at 50C increased in 4 hours to 95%. A substantial catalytic effect was also obtained from HMDIC and TDIC with ENPD, from HMDIC with NIBG, producing a 90% yield at 25C. However, zinc chloride produced a reaction mass of low uniformity, with some of the catalyst remaining in the polymer. In this respect, p-toluenesulfonic acid proved superior to zinc chloride; it produced a polymer with a molecular weight of 5730 (a 98% yield). The copolymerization products of diisocyanates with nitrodiols yielded mostly colorless or slightly yellowish products, soluble in acetone, cyclohexane, dimethylformamide, nitrobenzene, and ethanol, and insoluble in water, benzine, and carbon tetrachloride. It was found that copolymerization of NIBG with equivalent amounts of diisocyanates may produce either linear or tridimensional polymers, while OMNHD yielded only tri-

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ASSOCIATION: Kazanskiy khimiko-tekhnologicheskiy institut im. 8. M. Kirova (Kazan

SUBMITTED: 22May63

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CIA-RDP86-00513R001652220001-2"

ACCESSION NR: AP4032928

8/0286/64/000/008/0057/0057

AUTHOR: Kozlov, L. M.; Burmistrov, V. I.; Solodova, N. L.

TITLE: Method of producing mitropolyurethans. Class C Odg, 39b, 2234, No. 161906 (747762/23-4, 9 Oct 1961)

SOURCE: Byulleten' izobreteniy i tovarny*kh znakov, no. 8, 1964, 57

TOPIC TAGS: nitropolyurethan, sinc chloride

ABSTRACT: A method of producing mitropolyurethens based on Author's Certificate No. 11:3550. The distinguishing feature is intensification of the process. The reaction is carried out in the presence of sinc chloride cetalysts for 4 hours at a temperature of 50°C.

ASSOCIATION: None

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OTHER: 000

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APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86

CIA-RDP86-00513R001652220001-2"

SHERISHORINA, S.I.; SOLODOVA, T.L.

Variability of micro-organisms under the influence of antibiotics. Report No. 1: Truffy Sar. gos. med. inst. 26:192-196 159.

(MIRA 14:2)

and the state of t

1. Saratovskiy meditsinskiy institut, kafedra mikrobiologii (zav.prof. S.I. Sherishorina).

(STAPHYLOCOCCUS) (PENICILLIN)

SOLODOVA, T.L.

Influence of varying doses of levomycetin on the immunological condition of the macro-organism in experimental typhoid fever.

Trudy Sar. gos. med. inst. 26:214-216 159. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra mikrobiologii (zav.- prof. S.I. Sherishorina).
(CHLOROMYCETIN) (TYPHOID FEVER)

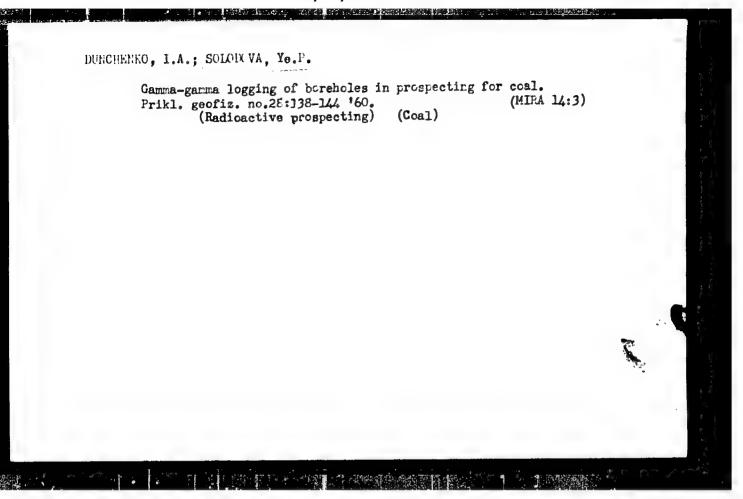
SOLODOVA, T.L.

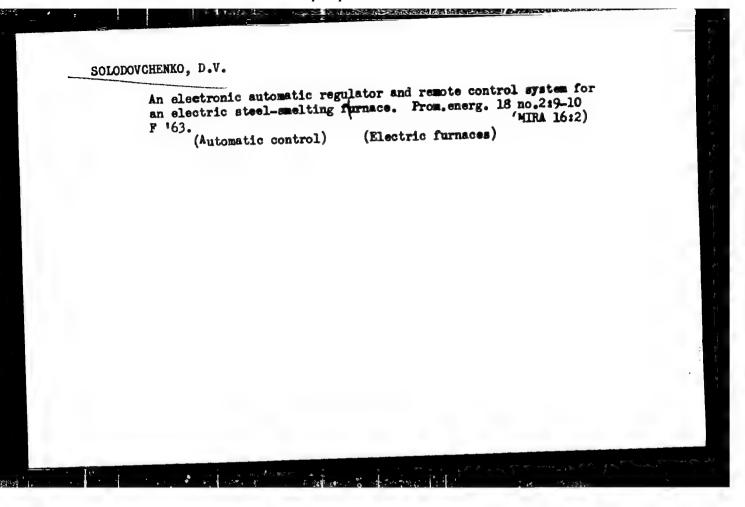
Recurrences of typhoid fever following treatment with levomycetin under experimental conditions. Trudy Sar. gos. med. inst. 26:217-219 159. (MIRA 14:2)

SOLODOVA, T. L., CAND MED SCI, "SEARCH FOR DAYS OF RATIONAL THERAPY OF TYPHOID FEVER WITH ANTIBIOTICS IN EXPERIMENT."

DNEPROPETROVSK, 1960. (DNEPROPETROVSK STATE MED INST). (KL, 2-61, 220).

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ACCESSION NR: AR5014410

UR/0058/65/000/004/E010/E010

SOURCE: Ref. zh. Fizika, Abs. 4E72

AUTHOR: Solodovnichenko, I. M.

TITLE: Phenomena accompanying the Sumoto effect in cyclohexanone

CITED SOURCE: Sb. nauchn. tr. Dnepropetr. inzh.-stroit. in-t, vyp. 29, 1963, 3-8

TOPIC TAGS: cyclohexanone, electrochemistry, electric conductivity, Sumoto effect

TRANSLATION: The Sumoto effect is investigated in cyclohexanone. It is found that the magnitude of the effect depends on the purity of the liquid and the radius of the cathode (for a cylindrical system), but the material of the cathode has no noticeable effect. The Sumoto effect was accompanied by liberation of matter at the cathode. Unipolar electrical conductivity was observed simultaneously with the Sumoto effect.

SUB CODE: OC', GC

ENCL: 00

MITSKEVICH, P.K.; SOLODOVNICHENKO, I.M.

On an effect of the novement of dieloctric liquids in an inhomogeneous electric field. Zhur.fiz.khim. 39
no.11:2664-2667 H *65.

(MIRA 18:12)

SOLODOWNICHENKO, I.M.

Behavior of ethyl ether at the liquid - solid interface at the moment the electric field strength changes. Izv. vys. ucheb. zav.; fiz. 8 no.6:163-164. '65. (MIRA 19:1)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut. Submitted November 19, 1963.

MITSKEVICH, F.K.; SOLOBOVNICHENKO, I.M.; SIGAREV, M.P.

Certain features of the behavior of ethyl ether in nomuniform electric fields. Elektrokhimia 1 no.9:1072-1076 S '65. (MIRA 18:10)

1. Dnepropatrovskiy inzhenerno-straifelingy institut.

\$/781/62/000/000/034/036

AUTHORS: Silenok-Bel'skiy, G. A., Dikiy, A. G., Solodovchenko, S. I. Vitsenko,

V. I.

TITLE: Measurement of electron concnetration in a plasma at low frequencies

SOURCH: Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza; doklady I konferentsii po fizike plazmy i probleme upravlyayemykh termoyadernykh reaktsiy. Fiz.-tekhn. inst. AN Ukr. SSR. Kiev, Izd-vo AN Ukr. SSR., 1962, 165- 167.

TEXT: A method has been developed for measuring the concentration and collision frequency of electrons by determining the change in impedance of a solenoid into which the plasma is introduced. The electromagnetic field of the sounding signal was given a configuration such as to avoid electric polarization. Several schemes for density measurements were tried, and the best turned out to be the usual method of measuring the Q of a resonant circuit. The experiments were carried out at pressures 10^{-1} - 10^{-2} mm Hg, and the densities measured were in the range from 4 x 10^9 to 5 x 10^{10} el/cm³. There are three figures.

Card 1/1

S/781/62/000/000/035/036

AUTHORS: Silenok-Bel'skiy, G. A., Dikiy A. G., Solodovchenko, S. I.

TITLE: Plasma electron concentration measurement with a resonator

SOURCE: Wa Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza; doklady I konferentsii po fizike plazmy i probleme upravlyayemykh termoyadernykh reaktsiy. Fiz.-tekh. inst. AN Ukr. SSR. Kiev, Izd-vo AN Ukr. SSR, 1962. 167-169

TEXT: A method is proposed for measuring plasma electron concentration by determining the change in the dispersion properties of a waveguide system in which the plasma is placed, since the phase velocity of wave propagation in a waveguide system filled with plasma depends not only on the geometry of the system, guide system filled with plasma depends not only on the electron concentration the boundary conditions, and the frequency, but also on the electron concentration as well as the magnetic field, the collision frequency, and the type of gas. The effect of the plasma on the phase velocity in a waveguide with a helix partly effect of the plasma was investigated experimentally. The apparatus and experimental conditions are briefly described. The experiments were carried out without a magnetic field, and it is indicated that application of the field would

Card 1/2

CIA-RDP86-00513R001652220001-2 "APPROVED FOR RELEASE: 08/25/2000

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25(2)

Solodovnik, A., Mechanic (Poltava)

AUTHOR: TITLE:

reconsidered service make 2014 to 1949 for the 1970. Some Remarks of a Mechanic

PERIODICAL:

Kholodil'naya tekhnika, 1959, Nr 3, p 68 (USSR)

ABSTRACT:

The author of the article complains about the frequent changes that occur in the design of fixtures such as valves TRV-2 supplied by the "Termoavtomat" Plant in Tartu; these periodic changes, especially in thread (M-14 and M-16) render replacements of valves in case of repair very awkward. Riga Plant "Kompressor" has likewise changed from the production of 6, 8, 10 and 12 mm outer diameter tubes to 7 and 9 mm tubes, which causes considerable difficulties in the event of replacements. The same applies to the new starter P-222M which has superceded the former P-222 type starter issued by the Tbilisi Plant. The new starter does not take the standard coils. If a coil is burnt, the whole starter becomes use-

Card 1/2

Some Remarks of a Mechanic

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less. The article cites other similar complaints. - In a fact note from the publishing house, workers in repair plants are asked to contribute by sending in their remarks on refrigeration machines and installations.

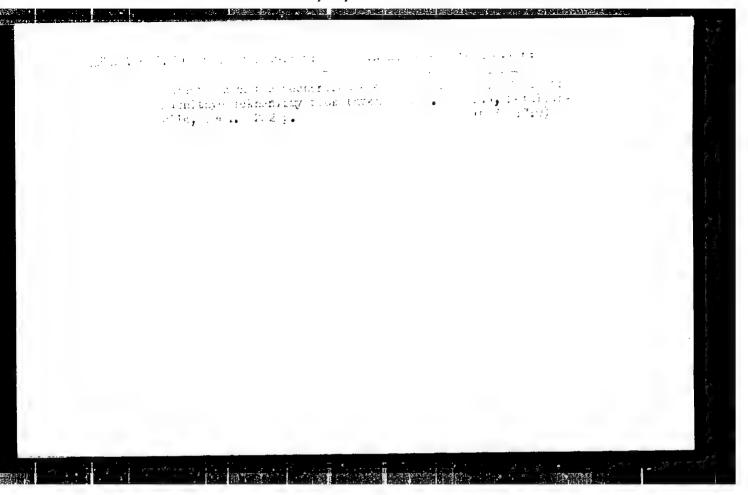
Card 2/2

YUGANOV, Ye.M.; GORSHKOV, A.I.; KAS'IAN, I.I.; BRYANOV, I.I.; KOLOSOV, I.A.; KOPANEV, V.I.; LEBEDEV, V.I.; POPOV, N.I.; SOLODOVNIK, F.A.

Vestibular reactions of astronauts during the "Voskhod" spaceship flight. Izv. AN SSSR. Ser. biol. no.6:877-883 N-D 165. (MIRA 18:11)

SOLODOVNIK, F.S.; BOCOMDLOV, A.V.; ZHURAVSKIY, Yu.V.; FROLOV, A.G.

Electromagnetic metal sheet distributor. Biul.TSIICHM no.4:51
(MIRA 14:10)
(Electromagnets)



SOLODOVNIK, I.Ya. [Solodovnyk, I.IA.]

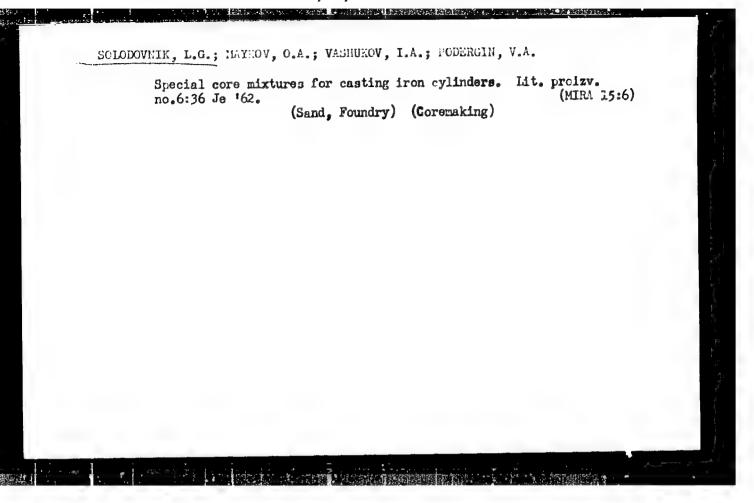
Make better use of machinery in harvesting potatoes and vegetables.

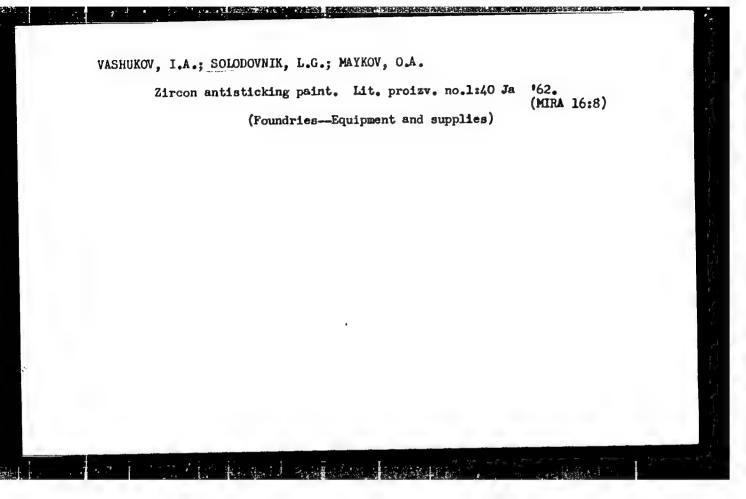
Mekh. sil'. hosp. 9 no. 8:7-8 Ag '58. (MIRA 11:8)

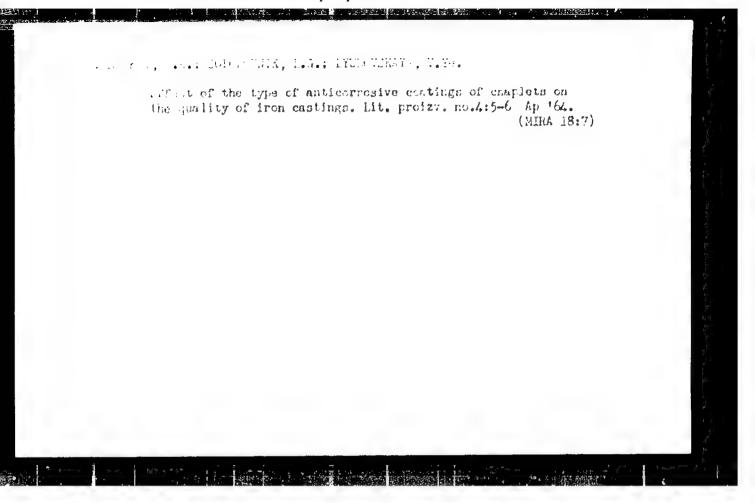
1. Golovniy agronom Upravlinnya kartopli i ovochiv Ministeratva
sil'akogo gospodaretva URSR.

(Potatoss--Harvesting)

(Yegetables--Harvesting)







TARTAKOVEKTY, P.B., kund. tekhn. neuk, fekkin. V.S., dolobovnek, L.M., ROYZEN, Ya.Sh.

Efficient procedure for overburden removal using a combined system of working. Met. 1 gornorud. prom. no.3:53-56 My-Je 164. (MIRA 17:10)

HOVOZHILOV, M.G., prof.; TARTAKOVSKIY. B.N., kand.tekhn.nauk: ESKIN, V.S., inzh.; SOLODOVNIK, L.M., inzh.; ROYZEN, Ya.Sh., inzh.

Substantiating the efficient limits for strip mining horizontal deposits with the use of continuous-operation equipment. Izv.vys. ucheb.zav.;gor.zhur. 7 no.7:3-7 164. (MIRA 17:10)

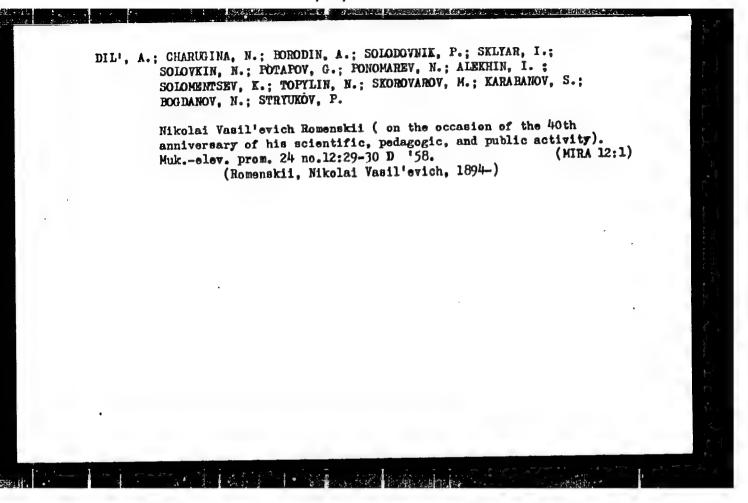
1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh gornykh rabot.

SOLODOVNIK, M. G.

Effectiveness of preparations in controlling the corn smut Ustilago zeas, Zashch, rast. ot vred. i bol. 5 no.6:25-26
Je '60. (MIRA 16:1)

l. Zaveduyushchiy otdelom zashchity rasteniy Brestskoy oblastnoy gosudarstvennoy sel'skokhozyaystvennoy stantsii.

(Pruzhany District_Corn(Maize)_Diseases and pests) (Pruzhany District_Smuts)



SOLODOVNIK, P., RATANOVA, V.

For ever-all disinfection of equipment. Muk.-elev.prom. 22 ne.3:
15-16 Mr '56. (MLRA 9:7)
(Grain--Diseases and pests) (Disinfection and disinfectants)

Sprayer for liquid disinfection of storehouses. Muk.-elev.pron. 23 no.1:22 Ja '57. (MLRA 10:5) 1.TSentral'naya opytno-proisvodstvennaya laboratoriya po bor'be s ambarnymi vreditelyami. (Disinfection and disinfectants) (Spraying and dusting equipment) (Warehouses)

SOLODOVNIK, P.

Use of paper disks impregnated with hydrocyanic acid in disinfecting flour, meal, and feed establishments. Muk.-elev.prom. 23 no.3:19-21 Mr '57. (MLRA 10:5)

1. TSentral'naya opytno-proizvodstvennaya laboratoriya po bor'be s ambarnymi vreditelyami. (Disinfection and disinfectants) (Hydrocyanic acid)

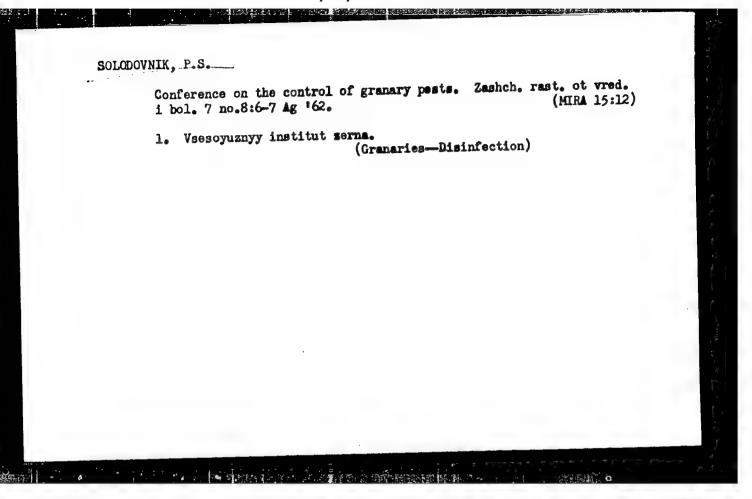
BRUDNAYA, A.A., kand.sel'skokhoz.nauk; SOLODOVNIK, P.S.

New preparation for moist disinsectization of empty granaries.
Soob. i ref. VNIIZ no.4:21-24 '61. (MIRA 16:5)
(Granaries-Disinsection) (Alodan)

BRUDNAYA, A.A., kand.sel'skokhoz.nauk; SOLODOVNIK, P.S.

Alodan in moist disinsectization of granaries. Zashch. rast. ot vred. i bol. 6 no.12:27 D '61. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki.



RATANOVA, V.F.; SOLODOVNIK, P.S.

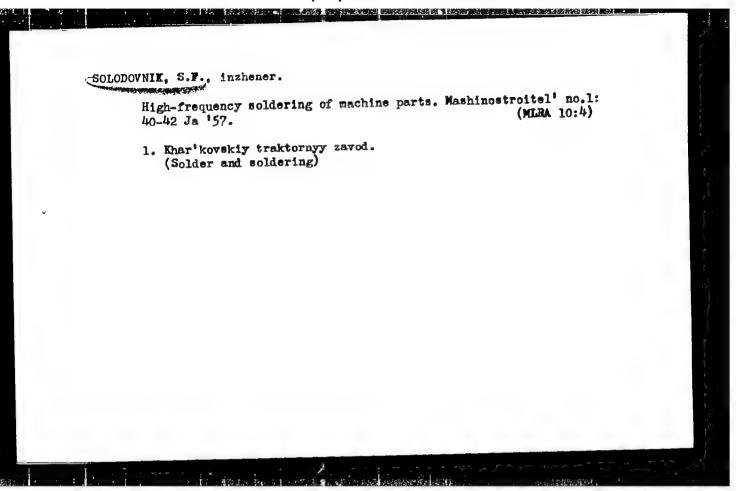
Preventive measures against granary pests. Zashch. rast. ot vred.
i bol. 8 no.8:35-36 Ag '63. (MIRA 16:10)

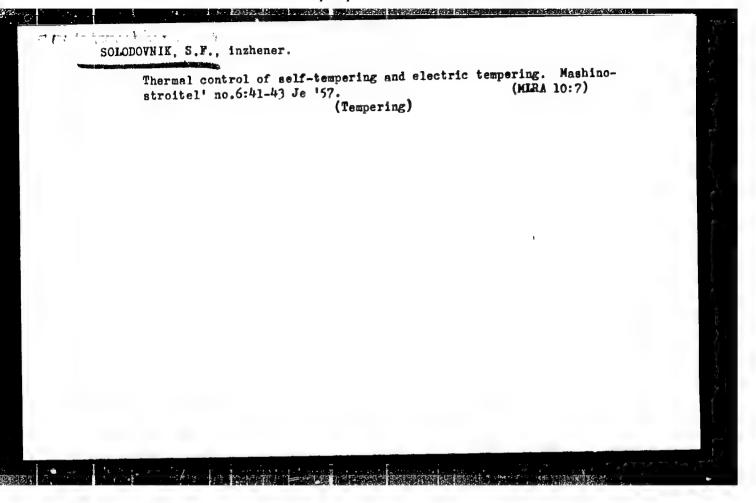
1. Institut zerna, Moskva.

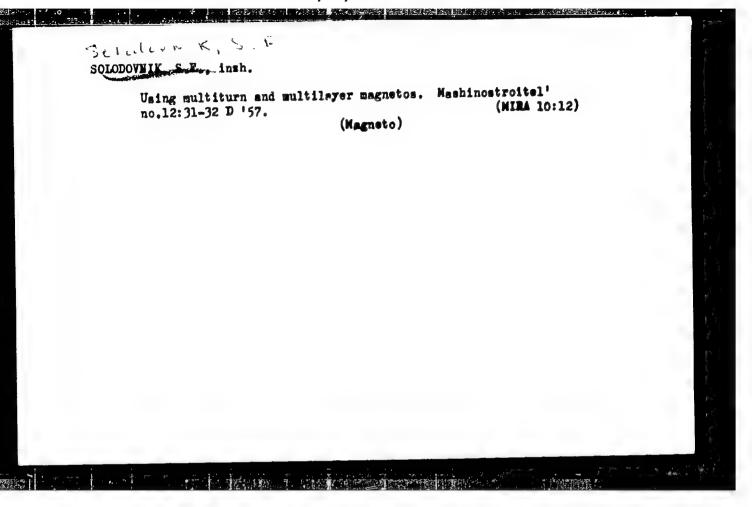
SOLODOVNIK, P.; POLCHANINOVA, G.; SERGEYEV, F.; VIKHANSKIY, Yu.

Practices in disinfecting seed peas with chloropicrin in winter.
Muk.-elev. prom. 29 no.3:9 Mr 163. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel kiy institut zerna i pro-duktov yego pererabotki.







SOV/137-58-11-22967

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 162 (USSR)

Solodovnik, S.F. AUTHOR:

An Experiment in Mass-production High-frequency Hardening of Small TITLE:

Machine Parts (Opyt massovoy vysokochastotnoy zakalki melkikh

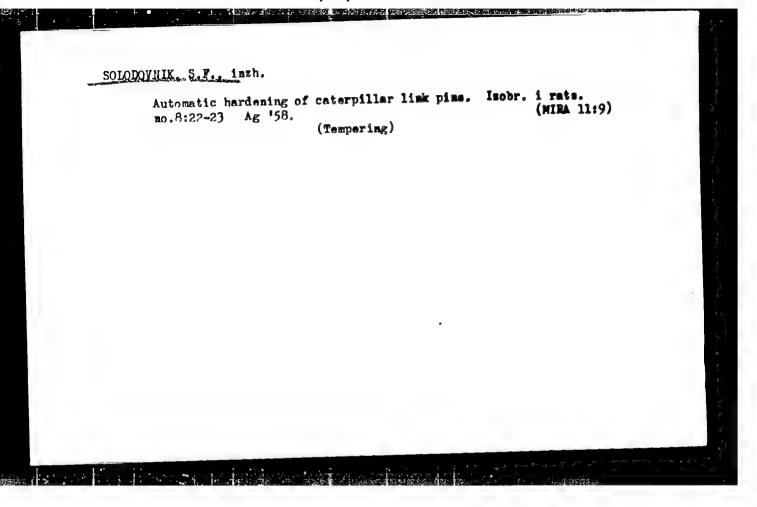
PERIODICAL: Mashinostroitel', 1958, Nr 6, pp 25-27

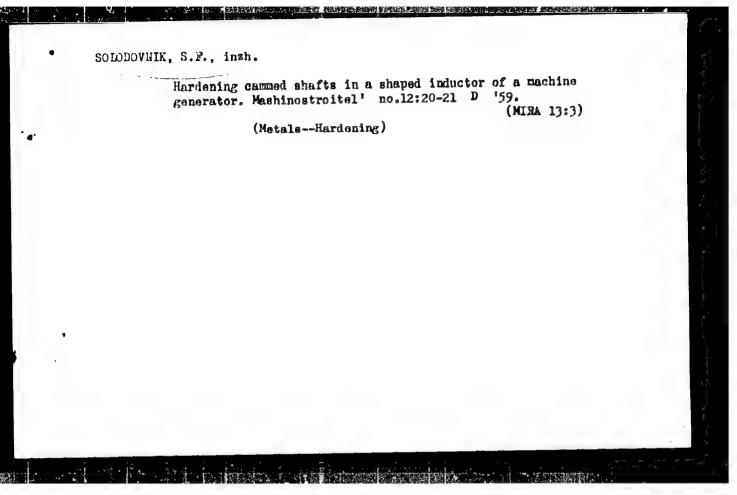
Mass-production high-frequency hardening of small machine parts ABSTRACT:

is widely used at the Kharkov tractor plant. The heating is done on GZ-46 and LGZ-60 vacuum-tube oscillator-type equipment. Each apparatus processes several tens of types of machine parts (M). The multipiece high-frequency hardening of M is carried out on three types of inductors (I), with differently shaped induction wire which envelops all the M at the same time. The loading of M into these so-called "loop I" (their schematics are given) is achieved with the aid of special devices which after the heating are moved out of the I and eject the M into the quenching tank. Multipiece hardening

greatly reduces the time required for the heating of each M, which

fact increases the productivity of the installation. Card 1/1





S/129/60/000/011/013/016 E073/E535

Solodovnik, S.F., Engineer AUTHOR:

Quenching of the Surface of Ring-shaped Grooves

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1960, No.11, p.48

For hardening components with ring-shaped grooves on universal equipment intended to serve a variety of components, it is advisable to apply one-piece inductors. The author developed an inductor in which the induction turn has the shape of two circular sections which are joined by tangents. The larger circle has a diameter equalling that of the external diameter of the component, whilst the diameter of the smaller circle equals the diameter of the The cross-section of the inductor turn is determined by the shape and dimensions of the groove. The clearances between the bottom and the side surfaces of the groove and the inductor turn are selected from the point of view of ensuring uniform heating. To heat the groove, the component is fed in, then shifted so that the groove fits the smaller diameter arc of the turn. If the component is made to rotate quickly, whilst the inductor is switched on, the entire surface of the Card 1/2

\$/129/60/000/011/013/016 E073/E535

Quenching of the Surface of Ring-shaped Grooves

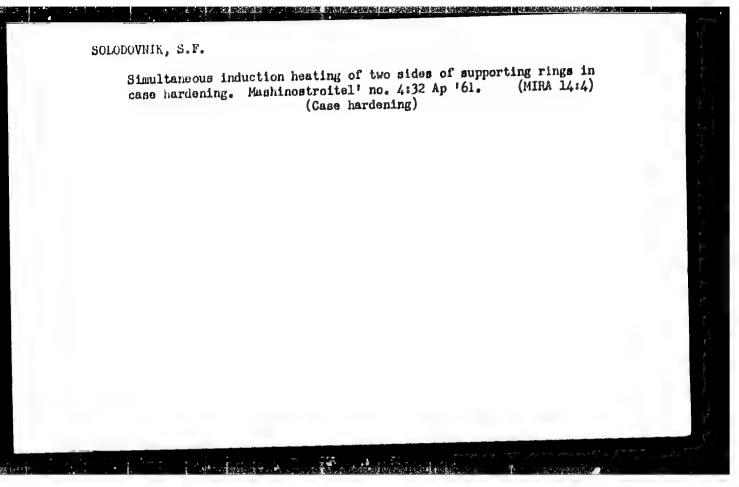
groove is heated through. This type of inductor is simple to There is 1 figure. produce and easy to apply.

Khar'kovskiy traktornyy zavod ASSOCIATION:

(Khar'kov Tractor Works)

Card 2/2

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Quenching unit for heat treatment of pinions. Mashinostroenie no.1:41-43 Ja-F '62. (MIRA 15:2)

1. Khar'kovskiy traktornyy zavod. (Furnaces, Heat treating)

SOLODOVNIK, S.F., inzh.

Hardening of nomuniform parts with induction heating.

Netalloved. i term. obr. met. no.3:61-62 Mr '62. (MIRA 15:2)

1. Khar'kovskiy traktornyy zavod.

(Induction hardening)

SOLODOVNIK, S.F., inzh.

Automatic machine for hardening thin cylindrical parts.

Mashinostroenie no.4:36-37 Jl-Ag '62. (MIRA 15:9)

1. Khar'kovskiy traktornyy zavod.

(Metals--Hardening)

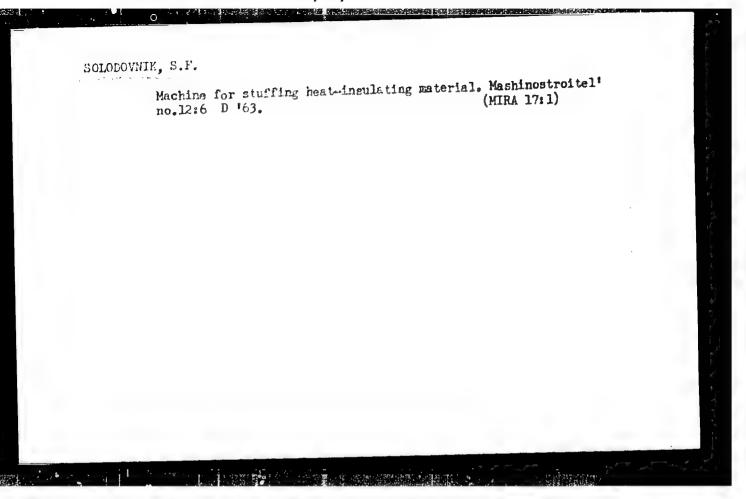
Somiautomatic machine for Milling heat-insulating substance in the holes of perts to be cemented. Mashinostroenis no.3: 26 My-Je '63. (MIRA 16:7)

1. Khar'kovskiy traktornyy zavod. (Cementation(Metallurgy))

SOLODOVNIK, S.F.

High frequency current hardening unit for gears. Metalloved. 1 term. obr. met. no.6:62-63 Je 463. (MIRA 16:6)

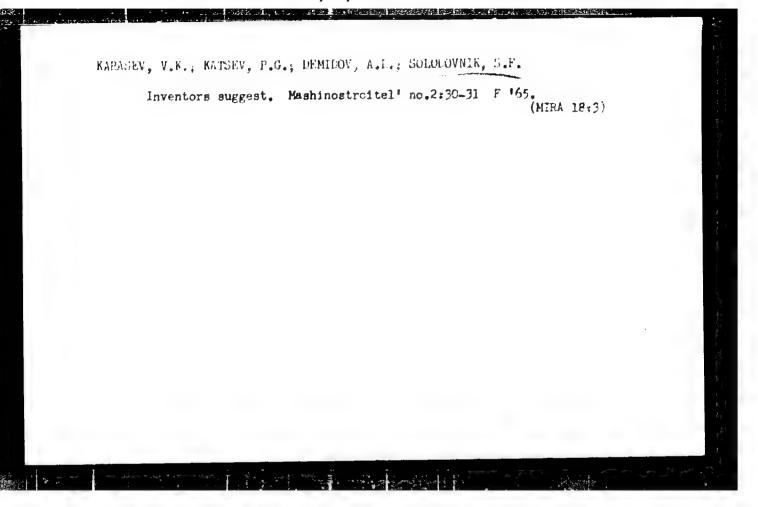
1. Khar kovskiy traktornyy savod.
(Induction hardening—Equipment and supplies)

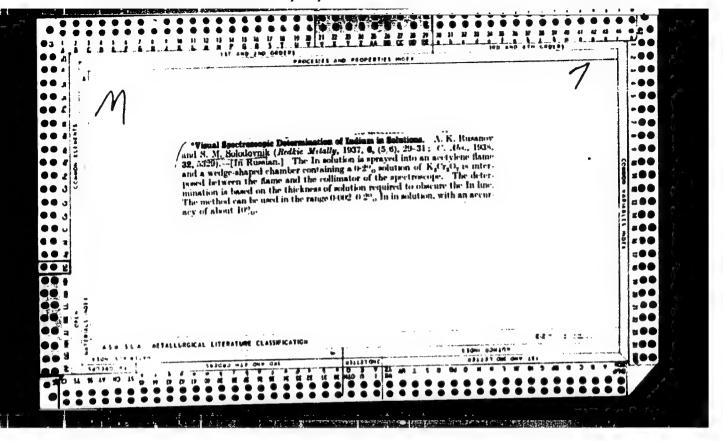


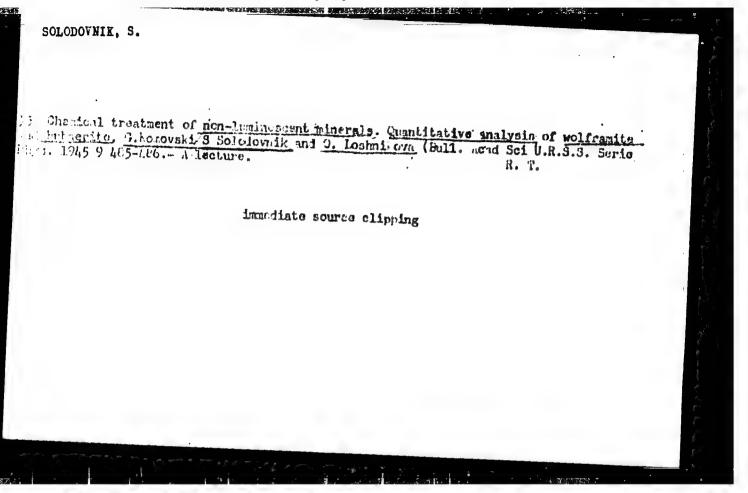
SOLODOVNIK, S.F.

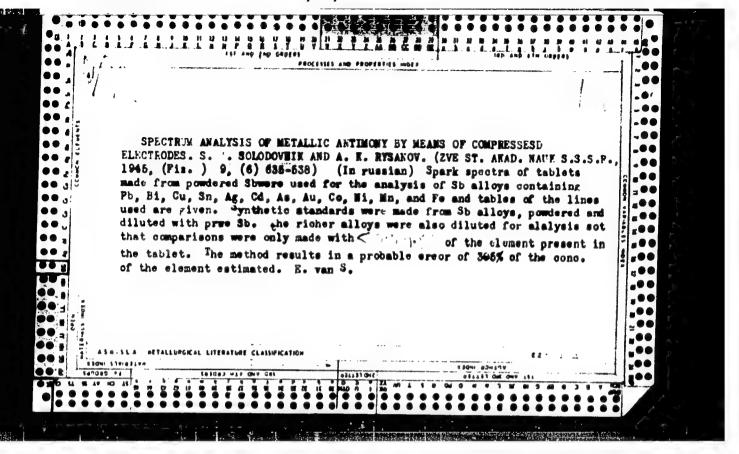
Mechanizing the packing of a heat insulating mass during chemical and heat treatment. Metalloved. i term. obr. met. no.5:48-49 My '64. (MIRA 17:6)

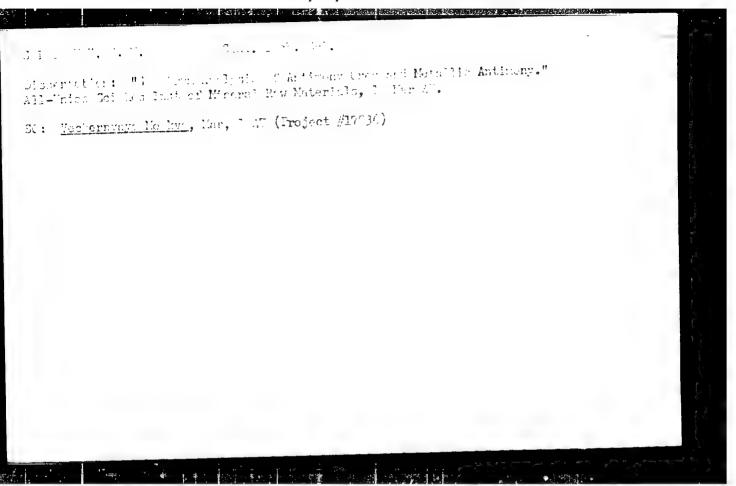
1. Khar'kovskiy traktornyy zavod.

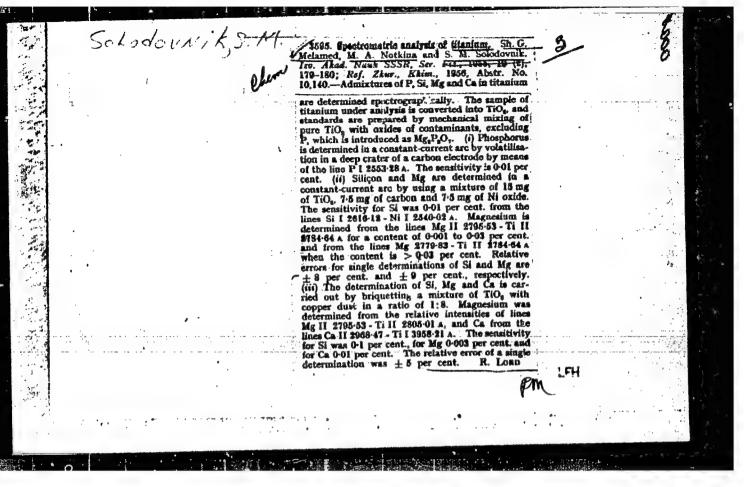


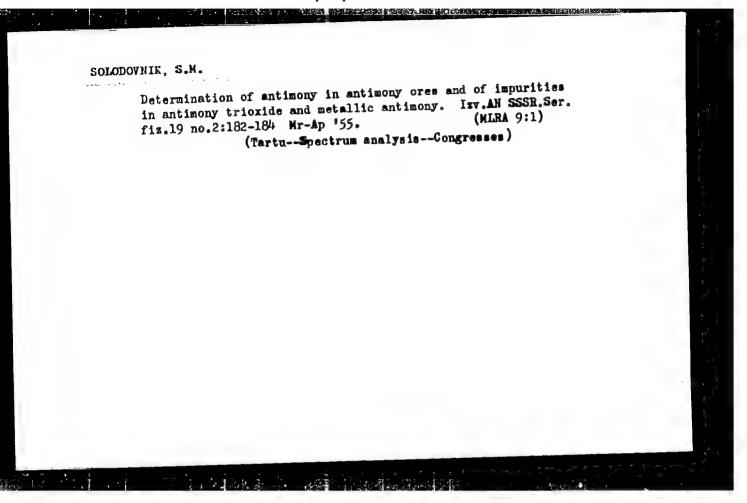


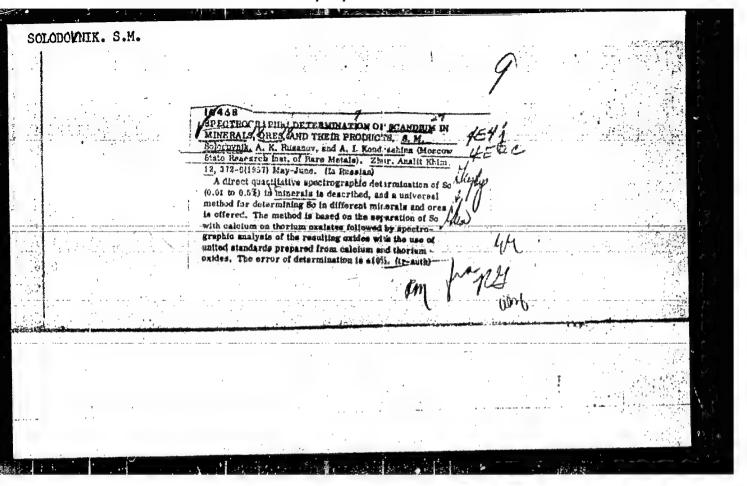


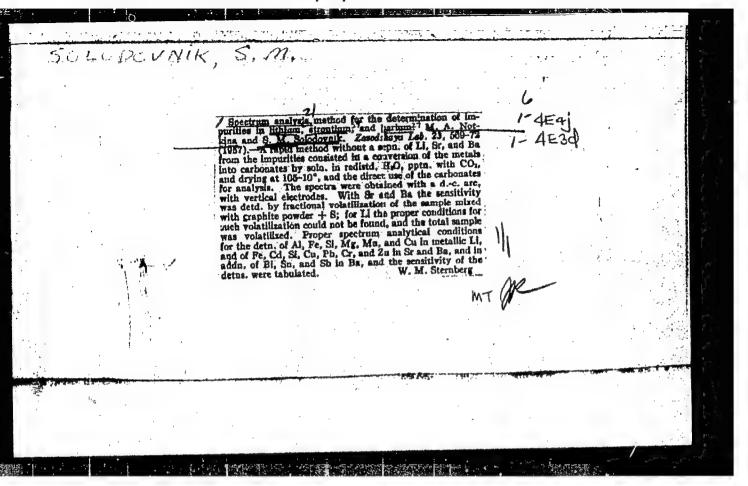












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5(2), 5(4)SOV /75-14-2-21/27 AUTHORS: Solodovnik, C. M., Kondrashina, A. I. Determination of Small Amounts of Hafnium Dioxide in Zirconium TITLE: Dioxide by a Spectroscopic Method (Opredeleniye nalykh kolichestv dvuokisi gafniya v dvuokisi tsirkoniya spektral'nym metodom) PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 2, pp 243-249 (USSR) ABSTRACT: Mortimore and Noble (Ref 7) recommended an addition of barium fluoride as buffer and the evaporation of the sample with tapering electrodes at a high current intensity (30 a) in order to increase the sensitivity of the spectroscopic determination of hafnium in zirconium dioxide. The spectra are recorded by means of a grating spectrograph. The authors of the present paper carried out their investigations under these conditions. It was found that by using the autocolimation spectrograph KSA-1 (KS-55) the addition of barium fluoride and the evaporation of the sample at high current intensity do not lead to an increased line intensity of hafnium. Therefrom it may be concluded that the high sensitivity attained by Mortimore (0.003%) is due to the use of a grating spectro-Card 1/3 graph of high dispersion. Also the addition of sodium phosphate

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Determination of Small Amounts of Hafnium Dioxide in Circonium Dioxide by a Spectroscopic Method

as buffer (Ref 8) did not yield the desired results. The degired increase in the sensitivity of hafnium determination could be obtained by means of the spectrograph KSA-1 (KS-55) with a single-lens condenser only under the following conditions: 20 mg ZrO2 are mixed with 10 mg coal powder and intro-

duced into a deepening in the tapered graphite electroie. The dimensions of the anode are given in the paper. In order to obtain a spectrum, two electrodes filled with the sample are produced. The upper graphite electrode (cathode) ends conically. A direct-current arc of a 10 a current intensity flows between the vertically arranged electrodes. The strongly enlarged picture of the electrodes is projected on a slit of 0.01 mm; the center of the flame is photographed. The exposure takes 2 minutes. Each spectrum is obtained by photographing 2 spectra subsequently on the same place of the photoplate. In the spectra obtained the lines of hafnium are photographed at 2641.4 A and the comparative line of zirconium at 2626.0 A as well as the background near these lines. The determination of the hafnium concentration is performed on the basis of a standard line in the coordinates

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Determination of Small Amounts of Hafnium Dioxide in Zirconium Dioxide by a Spectroscopic Method

lg $\frac{I_{Zr-background}}{I_{Hf-background}}$ - lg C_{Hf} . The standard line for the concentration interval of C_{Hf} between 0.003 and 0.1% is represented in the paper. The method makes it possible to determine quantitatively thousendths of per cents of HfO_2 in ZrO_2 . The probable error in the individual determinations is, at amounts of 0.003 - 0.03% hafnium, + 20 - 30%, at higher amounts of hafnium the error is + 10%. The authors thank A. K. Rusanov for valuable advice. There are 1 figure and 11 references, 3 of which are Soviet.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut redkil·h

i malykh metallov, Moskva (State Scientific Research Institute

of Rare- and Trace Metals, Moscow)

SUBMITTED: December 10, 1957

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Increase of the sensitivity of ...

with NaCl, influence the relative intensity of the impurity elements to be determined. The effect of NaCl in elements with relatively low ionization potential (Ga, In, Tl) is significant only if the concentration ionization potential (Ga, in, Ti) is significant only if the concentration of the main component is low. The effect of the main component above a given concentration upon the impurity line intensity is independent of the presence of NaCl. The effect of NaCl is not eliminated even by relatively high concentrations of elements with high ionization potential (Bi, Si, Sb, etc.). The main component is partially separable in the chemical spectrum analysis of metals with low ionization potential. The remainder is suited as an intensifying impurity, and the addition of NaCl to the concentrate is unsuitable. NaCl is required in the analysis of metals with relatively high ionization potential. The methods discussed here are suited for semiconductor engineering. The accuracy of determination with an initial weighed portion of 1 g (neglecting possible impurities) is presented in a table. There are 2 figures, 1 table, and 11 references: 9 Soviet and 2 non-Soviet. The two references to Englishlanguage publications read as follows: B. Scribner, H. J. Mullin. Res. Nat. Bur. Standards, 37, 379 (1946); R. Breckpot. Congr. adv. method anal. Spectr. prod. met. (Paris), 8, 33 (1947).

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SOLODOVNIK, S. M.

The Second All-Union Conference on the Preparation and Analysis of iigh-Purity Elements, held on 24-28 December 1963 at Gorky State University im. N. I. Lobachevskiy, was sponsored by the Institute of Chemistry of the Gorky State University, the Physicochemical and Technological Department for Inorganic Materials of the Academy of Sciences USSR, and the Gorky Section of the All-Union Chemical Society im. D. I. Mendeleyev. The opening address was made by Academician N. M. Zhavoronkov. Some 90 papers were presented, among them the following:

L. L. Baranova and S. M. Solodovnik. Spectrochemical determination of 9 elements in high-purity bismuth with sensitivity increased to 10⁻⁶ to 10⁻⁷%.

Enve. ANAL. Khim. 19 No.6 1964 p.777-79)

BARAHOVA, L.L.; SOLODOVNIK, S.M.

Chomical-spectral method of analysis of high jurity bicmuth.

Zhur. anal. khim. 19 no.5:588-592 '64. (MIRA 17:8)

1. Gosudarstvennyy nauchne-issled.watel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti, Moskva.

BERGEL'SON, L.D.; SOLODOVNIK, V.D.; SHEMYAKIN, M.M.

New synthesis of \triangle - and β -eleostearic acids. Izv.AN SSSR.Otd. khim.nauk no.7:1315 J1 62. (MIRA 15:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR. (Eleostearic acid)

L 26556-66 - EWT(m) UR/0062/66/000/003/0499/0505 SOURCE CODE: ACC NR: AP6017361 AUTHOR: Bergel'son, L. D.; Solodovnik, V. D.; Shemyakin, M. M. ORG: Institute of Chemistry of Natural Compounds AN SSSR (Institut khimii prirodnykh soyedinenniy AN SSSR) TITIE: Stereoregulated synthesis of unsaturated compounds. Report 9. Stereochemistr of the reaction between aldehydes and beta, gamma-unsaturated triphenylphosphorylides SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 499-505 TOPIC TAGS: organic synthetic process, aldehyde, stereochemistry, halide, organic phosphorus compound, IR spectrum ABSTRACT: The effect of the polarity of the medium and the nature of the halide ions on the steric trend of the carbonyl-olefinization reaction was studied with the aid of beta, gamma-unsaturated triphenylphosphorylides. Conditions which permit the utilization of the carbonyl-olefinization reaction for the stereo-directed synthesis of trans, trans- and trans, cis-dienes were established. The authors express their gratitude to L. B. Senyavina who performed the IR-spectra. Orig. art. has: 3 formulas and I tables. SUBM DATE: 180ct63 / ORIG REF: 006 / OTH REF: 012 UDC: 542.91+541.63 ce Card 1/1

SOLODOVNIK, V.D.; DAVYDOV, A.B.; IVANOVA, Z.G.; MINDLIN, Ya.I.; LEZNOV, N.S.

Properties of and the possibility of using organoborosilicon polymers as components of heat-resistant adhesives. Plast. massy no.3:39-42 163. (MIRA 16:4)

(Adhesives) (Silicon organic compounds)
(Boron organic compounds)

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BERGEL'SON, L.D.; SOLODOVNIK, V.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.9: Preparation of conjugated polyene fatty acids via Wittig reaction, and the synthesis of A-eleostearic acid. Izv. AN SSSR. Otd.khim. nauk no.4:683-687 (MIRA 16:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Acids, Fatty) (Eleostearic acid)

SOLODOVNIK, Ya.V., inzhener.

Hovable metal bracing for trenches attached to a multiple-bucket ditch digger.

(MIRA 6:10)

Elek.sta. 24 no.10:53 0 '53. (Ditches)

SOLODOWIK, Ya.V., inzhener.

Mobile formwork for lining canals and tunnels of large cross-section with concrete. Elek.sta. 24 no.11:48-50 N '53. (MLBA 6:11) (Concrete construction--Formwork)